

ECO[®] Blue

Economically efficient

Capacity 2 - 15 l/h

Counterpressure up to 10 bar

Easy to operate

Leakage-free

Can be used worldwide



Solenoid diaphragm pumps for micro dosing tasks

sera solenoid diaphragm pump EcoBlue®

The EcoBlue® by **sera** solves dosing tasks and offers great value for money. It also impresses with the usual quality and reliability.

The EcoBlue® is available in three designs:

EcoBlue®

- On/ Off Operation
- Stroke frequency adjustment in 10 steps
- Continuously adjustable stroke length adjustment

EcoBlue® Pro

- On/ Off Operation
- Stroke frequency adjustment in 10 steps
- Continuously adjustable stroke length adjustment
- Impulse Input (1:1)
- Level Input (LSLL)

EcoBlue® Pro+

- On/ Off Operation
- Stroke frequency adjustment in 10 steps
- Continuously adjustable stroke length adjustment
- Impulse Input (1:1)
- Level Input (LSLL)
- Analogue Input 4..20 mA
- External stop

Application

The EcoBlue® series has a performance range from 2 to 15 l/h at up to 10 bar. The compact design allows a simple solution for manual START/STOP or pulse mode proportional dosing to the flow.

Examples of application

- Drinking water treatment
- Waste water treatment
- Chlorine based drinking water treatment
- Pool equipment
- Agriculture
- Food and beverage
- etc.

Advantages at a glance

- Low investment costs
- Available from stock
- Compact packaging incl. dosing set
- Low maintenance costs
- Unlimitedly safe to run dry
- Easy to handle
- Light total weight

ECOBlue®





Overview

Material

98% of all applications can be covered with only two material designs.

Material design I

(f.e. caustic soda lye, potash lye, iron-III-sulfate...)

Pumpbody and valves

- PP-FRP

Valve balls

- PTFE

Valve seals

- EPDM

Working diaphragm

- PTFE-covered

Material design II

(f.e. acids, disinfectant, surfactants, hydrogen peroxide...)

Pumpbody and valves

- PVC

Valve balls

- PTFE

Valve seals

- FPM

Working diaphragm

- PTFE-covered

Accessories

(included in scope of delivery)

- Dosing-Set
 - Foot valve
 - Dosing valve
 - Hose connections (4x)
 - Dosing hose (7m)
 - Weight for foot valve



Options

- Pulse input 1:1
- Level input
- Before/ empty signal
- Analogue input 4..20 mA
- External stop

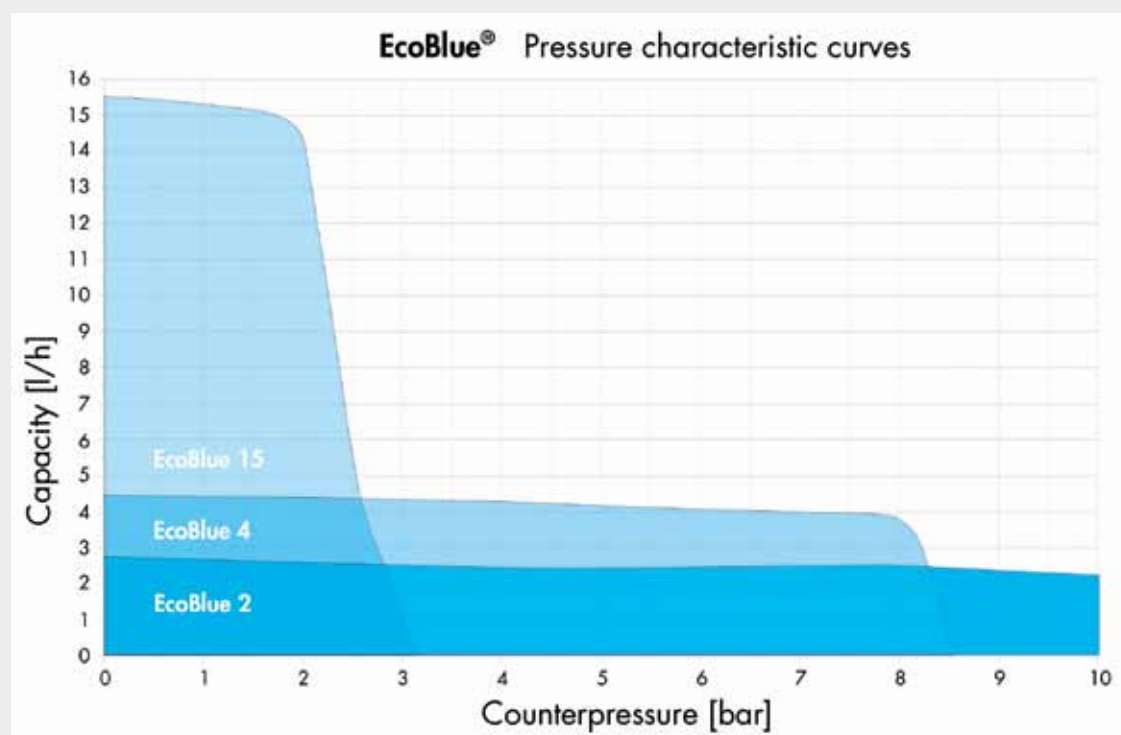


Pump data

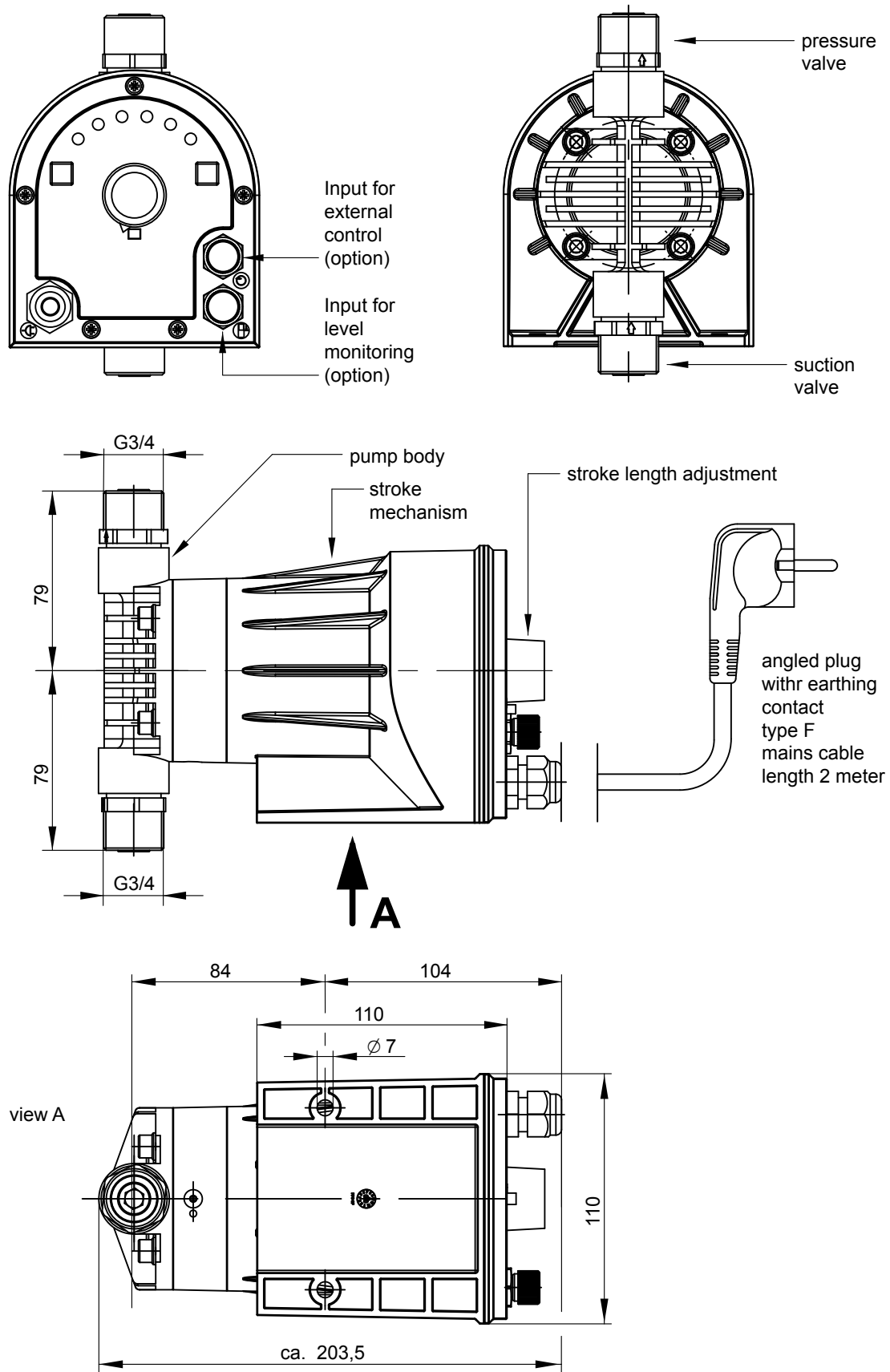
Type	Maximum permissible pressure at the pump outlet $P_{2 \text{ max.}}$ bar	Nominal capacity ⁽¹⁾ Q_N at $P_{2 \text{ max.}}$		Suction height max. mWs	Permissible pressure at the pump inlet min./max. bar	Recommended nominal diameter of the connecting pipes DN	Nominal stroke frequency 50 Hz/60 Hz 1/min	Weight approx. kg
		50 Hz/60 Hz l/h	ml/hub					
EcoBlue® 2	10	2	0,17	3	-0,3/0	5	190	1,6
EcoBlue® 4	8	4	0,35	3	-0,3/0	5	190	1,6
EcoBlue® 15	2	10	1,3	3	-0,3/0	5	190	1,6
	1	15						

Electrical connecting data

Type	Power consumption W	Frequency Hz	Voltage 50 Hz/60 Hz V ~ 1	Rated current (50 Hz/60 Hz) A	Degree of protection IP	Recommended fuse
EcoBlue®	< 30	50/60	220 - 240 V	0,5	65	C6A

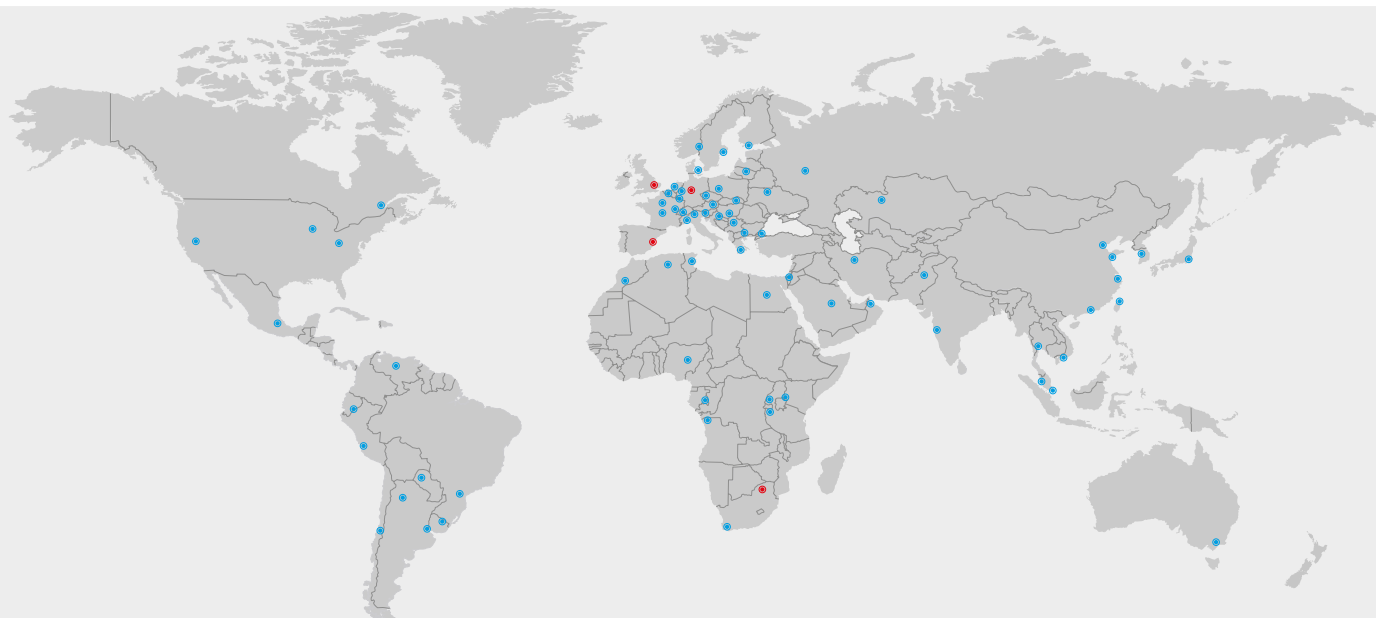


Dimensional drawing



Locally present for our global customers

With a headquarter in Germany and local offices in England, Spain and South Africa and a worldwide sales and service network with more than 30 foreign representatives in more than 80 countries across all continents, sera guarantees optimum support for customers locally.



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